

II. CLAIMS

1. (Previously Presented) A method for controlling the operation of a mobile station (MS) in a packet switched communication network based on a cellular network, which communication network is arranged to transfer information using downlink or uplink data transmission between a base station (BTS) and at least one mobile station (MS) by means of a radio channel, comprising the steps of:

using a transmission power on a set level on the radio channel to transfer information;

transmitting information that is divided into successive blocks of the downlink data transmission from the base station (BTS) to the mobile station (MS) on the radio channel;

and wherein one of said blocks comprises data indicating power reduction in the transmission power level of said one block of the downlink data transmission or another block of the downlink data transmission to be transmitted subsequently.

2. (Previously Presented) The method according to claim 1, wherein said one block comprises the data indicating power reduction in the transmission power level of another block to be transmitted next.

3. (Previously Presented) The method according to claim 1, wherein said one block comprises the data indicating power reduction in the transmission power level of said one block.

4. (Previously Presented) The method according to claim 1, wherein an RLC block according to the GPRS system is used as said one block, and the data indicating power reduction in the transmission power level is transmitted by means of an MAC header in the RLC block.

5. (Previously Presented) The method according to claim 4, wherein the power reduction in the transmission power level is indicated by means of bits contained in an octet of said MAC header, and at least some of the bits being arranged for an TFI field (TFI) in a way known as such.

6. (Previously Presented) The method according to claim 1, wherein the power reduction in the transmission power level is indicated as a difference with respect to a known reference level.

7. (Original) The method according to claim 6, wherein said known reference level used is a BCCH channel according to the GPRS system.

8. (Previously Presented) A communication system for implementing packet switched data transmission based on a cellular network, which communication system is arranged to transmit information using downlink or uplink data transmission between a base station (BTS) and at least one mobile station (MS) by means of a radio channel, comprising:

means for arranging data transmission on the radio channel to take place with a transmission power on a set level, and

means for arranging the radio channel to transmit information that is divided into successive blocks of the downlink data transmission, from the base station (BTS) to the mobile station (MS), and

means for arranging the communication system to transmit one of said blocks containing data indicating power reduction in the transmission power level of said one block or another block to be transmitted subsequently, via a radio channel.

9. (Previously Presented) A wireless communication device, arranged to function in a communication system, which communication system is arranged to implement packet switched data transmission based on a cellular network, and which communication system is arranged to transmit information using downlink or uplink data transmission between a base station (BTS) and said wireless communication device (MS) by means of a radio channel, comprising:

means for arranging data transmission on the radio channel to take place with a transmission power on a set level, and

means for arranging the radio channel to transmit information that is divided into successive blocks of the downlink data transmission, from the base station (BTS) to the wireless communication device (MS), and

means in the wireless communication device (MS) arranged to receive one of said blocks transmitted by the base station (BTS) on the radio channel, which one block contains data indicating power reduction in the transmission power level of said one block or another block to be transmitted subsequently.

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Previously Presented) The method of claim 1 further comprising the mobile station using the data indicating power reduction in the transmission power level to determine if a change in a received signal is caused by the base station or an environmental change.

14. (Previously Presented) The method of claim 1 further comprising using the data indicating power reduction in the transmission power level to adjust at least one parameter in the mobile station.

15. (Previously Presented) The method of claim 14 wherein the parameter is timing, frequency or amplification.

16. (Previously Presented) The method of claim 1 further comprising the mobile station using the data indicating power reduction in the transmission power level to adjust a reception level in the mobile station to a correct range.

17. (Previously Presented) The method of claim 1 further comprising adding the data indicating power reduction in the transmission power level to the block when the block is transmitted.

18. (Previously Presented) The method of claim 1 wherein the data indicating power reduction in the transmission power level is determined on a transmission end of the radio channel.
19. (Previously Presented) The communication system of claim 8 wherein the data indicating power reduction in the transmission power level is the power reduction in the transmission power level at the transmitting end of the radio channel.
20. (Previously Presented) The communication device of claim 9, further comprising the one of said blocks including the data indicating power reduction in the transmission power level at the transmitting end of the radio channel.
21. (Previously Presented) The method of claim 1 wherein the data indicating power reduction in the transmission power level is the power reduction in the transmission power level in use at the base station.
22. (Previously Presented) The method of claim 21 wherein the power reduction in the transmission power level is indicated as a difference with respect to a known reference level.
23. (Previously Presented) The method of claim 1 wherein the one block comprising the data and having indicated power reduction is a block transmitted from the base station, and the other block having the indicated power reduction is a block to be transmitted from the base station.
24. (New) A base station, for a communication system implementing packet switched data transmission based on a cellular network, the base station being configured to transmit information divided into successive blocks to at least one wireless

communication device over a radio channel, wherein data transmission on the radio channel is configured to take place with a transmission power on a set level, and wherein the base station is further configured to transmit one of said blocks containing data indicating power reduction in the transmission power level of said one block or another block to be transmitted subsequently, via the radio channel.

25. (New) The base station according to claim 24, wherein said power reduction in the transmission power level is indicated as a difference with respect to a known reference level.

26. (New) A communication system for implementing packet switched data transmission based on a cellular network, comprising:

- a base station;

- at least one mobile station, wherein the system is configured to transmit information between the base station and the at least one mobile station using uplink or downlink data transmission; and

- a radio channel configured to carry the transmitted information between the base station and the at least one mobile station, wherein:

- data transmission on the radio channel is configured to take place with a transmission power on a set level,

- the radio channel is configured to transmit information that is divided into successive blocks of the downlink data transmission, from the base station to the mobile station, and

- the communication system is configured to transmit one of the blocks containing data indicating power reduction in the transmission power level of the one block or another block to be transmitted subsequently, via the radio channel.

27. (New) The system of claim 26 wherein the data indicating power reduction in the transmission power level is the power reduction in the transmission power level at the transmitting end of the radio channel.

28. (New) A wireless communication device for a communication system configured for packet switched data transmission in a cellular network, wherein the communication system comprises:

- a base station; and

- a radio channel, wherein the system is configured to transmit information between the base station and the wireless communication device using downlink or uplink data transmission over the radio channel and wherein the wireless device is configured to:

- configure data transmission on the radio channel to take place with a transmission power on a set level;

- configure the radio channel to transmit information that is divided into successive blocks of the downlink data transmission, from the base station to the wireless communication device; and

- receive one of the blocks transmitted by the base station on the radio channel, which one block contains data indicating power reduction in the transmission power level of the one block or another block to be transmitted subsequently.

29. (New) The device of claim 28 further comprising the one of the blocks indicating power reduction in the transmission power level at the transmitting end of the radio channel.